

SYSTEM:OS - DIALOG OneSearch
File 155: MEDLINE(R) 1951-2005/Feb W3
(c) format only 2005 The Dialog Corp.
*File 155: Medline has been reloaded; accession numbers have changed.
Please see HELP NEWS 154.
File 2: INSPEC 1969-2005/Feb W2
(c) 2005 Institution of Electrical Engineers
*File 2: Price change effective Jan 1, 2005. Enter HELP
RATES 2 for details.
File 5: BIOSIS Previews(R) 1969-2005/Feb W3
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*File 5: Price change effective Jan 1, 2005. Enter HELP
RATES 5 for details.
File 6: NTIS 1964-2005/Feb W3
(c) 2005 NTIS, Intl Cpyrht All Rights Res
*File 6: Price change effective Jan 1, 2005. Enter HELP
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File 8: Ei Compendex(R) 1970-2005/Jan W3
(c) 2005 Elsevier Eng. Info. Inc.
*File 8: Price change effective Jan 1, 2005. Enter HELP
RATES 8 for details.
File 73: EMBASE 1974-2005/Feb W3
(c) 2005 Elsevier Science B.V.
*File 73: Price change effective Jan 1, 2005. Enter HELP
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File 987: TULSA (Petroleum Abs) 1965-2005/Feb W1
(c) 2005 The University of Tulsa
File 94: JICST-EPlus 1985-2005/Jan W2
(c) 2005 Japan Science and Tech Corp (JST)
File 35: Dissertation Abs Online 1861-2005/Jan
(c) 2005 ProQuest Info&Learning
File 144: Pascal 1973-2005/Feb W2
(c) 2005 INIST/CNRS
*File 144: Price change effective Jan 1, 2005. Enter HELP
RATES 144 for details.
File 105: AESIS 1851-2001/Jul
(c) 2001 Australian Mineral Foundation Inc
*File 105: This file is closed (no updates)
File 99: Wilson Appl. Sci & Tech Abs 1983-2005/Jan
(c) 2005 The HW Wilson Co.
File 58: GeoArchive 1974-2005/Dec
(c) 2005 Geosystems
File 34: SciSearch(R) Cited Ref Sci 1990-2005/Feb W3
(c) 2005 Inst for Sci Info
*File 34: Price change effective Jan 1, 2005. Enter HELP
RATES 34 for details.
File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info
*File 434: Price change effective Jan 1, 2005. Enter HELP
RATES 434 for details.
File 292: GEOBASE(TM) 1980-2005/Jan B2
(c) 2005 Elsevier Science Ltd.
*File 292: Price change effective Jan 1, 2005. Enter HELP
RATES 292 for details.
File 89: GeoRef 1785-2005/Feb B1
(c) 2005 American Geological Institute

02/25/2005

10/785,447

*File 89: Please see HELP ALERTALL for new Alert frequency and price. Please see HELP RATES 89 for new Academic Subscriber rates.

File 65:Inside Conferences 1993-2005/Feb W3

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File 350:Derwent WPIX 1963-2005/UD,UM &UP=200513

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*File 350: For more current information, include File 331 in your search.

Enter HELP NEWS 331 for details.

File 347:JAPIO Nov 1976-2004/Oct(Updated 050208)

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*File 347: JAPIO data problems with year 2000 records are now fixed.

Alerts have been run. See HELP NEWS 347 for details.

Set	Items	Description
S1	5	AU=(ENDT, A? OR ENDT A?)
S2	3	S1 AND (MRI OR MAGNETIC(1W) (IMAG? OR IMAGING) OR MAGNETIC(-W) RESONAN? OR NMR OR NUCLEAR()MAGNETIC()RESONANCE OR FTNMR OR FTMRI OR MAGNETORESONANCE OR PMR OR PROTON(W)MAGNETIC(W) RESONAN? OR MR() (IMAGE? OR IMAGING))
S3	4177	GRADIENT(2N) (COIL? ? OR SPIRAL???? OR CONCENTRIC????? OR W-IRE????)
S4	6084	SPIRAL?(2N) COIL? ?
S5	10247	S3:S4
S6	1807554	MRI OR MAGNETIC(1W) (IMAG? OR IMAGING) OR MAGNETIC(W) RESONAN? OR NMR OR NUCLEAR()MAGNETIC()RESONANCE OR FTNMR OR FTMRI - OR MAGNETORESONANCE OR PMR OR PROTON(W)MAGNETIC(W) RESONAN? OR MR() (IMAGE? OR IMAGING)
S7	42779	MC=(S01-E02A2 OR S03-E07A OR S01-E02A8A OR S01-E02A1 OR S0-3-E07C OR S05-D02B1 OR S03-C02F1) OR IC=(G01R-003 OR G01N-024-08 OR G01V-003/A75) OR CC=(A0758 OR A8760I OR B7510N)
S8	1821788	S6:S7
S9	16681	IC=(A61B-005/055 OR G01R-033/38 OR G01R-385 OR G01V-003/00 OR H01F-005/02)
S10	73982	(MAGNET? OR RESONANC?) (2N) TOMOGRAPH?
S11	10117	CARRIER?(2N) PLATE???
S12	3343	S5 AND S8
S13	1030	S12 AND S9
S14	1	S13 AND S11
S15	1029	S13 NOT S14
S16	3	S15 AND INNER(2N) CONDUCTOR?
S17	3	RD (unique items)
S18	1026	S15 NOT S16
S19	2	S18 AND OUTER(2N) CONDUCTOR?
S20	1024	S18 NOT S19
S21	14	S20 AND GROOV???
S22	14	RD (unique items)
Set	Items	Description
S16	3	S15 AND INNER(2N) CONDUCTOR?
S17	3	RD (unique items)
S18	1026	S15 NOT S16
S19	2	S18 AND OUTER(2N) CONDUCTOR?
S20	1024	S18 NOT S19
S21	14	S20 AND GROOV???
S22	14	RD (unique items)
S23	0	S10 AND S11
S24	507	S10 AND S9
S25	31	S24 AND (INNER OR OUTER)
S26	1	S25 AND GROOV???
S27	30	S25 NOT S26
S28	29	S27 AND S8

2/3,AB/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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015441528
WPI Acc No: 2003-503670/200347
XRPX Acc No: N03-399842

Open-type magnetic resonance apparatus for medical imaging applications, has Z-gradient coil extending at least in regions of upper, lower cylindrical structures and vertical columns connecting the cylindrical structures

Patent Assignee: SIEMENS AG (SIEI)

Inventor: VOM ENDT A; ENDT A V

Number of Countries: 003 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20030057949	A1	20030327	US 2002256614	A	20020927	200347	B
DE 10147742	A1	20030417	DE 1047742	A	20010927	200347	
GB 2384565	A	20030730	GB 200221922	A	20020920	200351	
US 6674284	B2	20040106	US 2002256614	A	20020927	200411	

Priority Applications (No Type Date): DE 1047742 A 20010927

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030057949	A1		16	G01V-003/00	
DE 10147742	A1			G01R-033/381	
GB 2384565	A			G01R-033/385	
US 6674284	B2			G01V-003/00	

Abstract (Basic): US 20030057949 A1

Abstract (Basic):

NOVELTY - An imaging volume (35) having a central region accessible along horizontal direction orthogonal to the horizontal direction of the basic magnetic field, is placed between upper and lower cylindrical structures (10,15). A Z-gradient coil extends at least in regions of the cylindrical structures and vertical columns (22,26) that connect the cylindrical structures.

USE - For inter-operative and intra-operative medical imaging applications, especially for examining patients with claustrophobia.

ADVANTAGE - Provides a highly efficient gradient coil system that has reduced installation space, eddy current, waste heat and noise.

DESCRIPTION OF DRAWING(S) - The figures show the perspective view of the magnetic resonance apparatus and the conductor arrangement layout of the coil section respectively.

upper cylindrical structure (10)

lower cylindrical structure (15)

vertical columns (22,26)

imaging volume (35)

pp; 16 DwgNo 1, 2/11

2/3,AB/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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015422299
WPI Acc No: 2003-484441/200346
XRPX Acc No: N03-385177

Gradient coil system for magnetic resonance device, has component(s) of cooling arrangement, and latent heat storage device that